1. (Currently Amended) In an appliance with a relatively stationary component and a rotatable vessel for holding a supply of material, a method comprising:

charging [said] the vessel with [said] the supply of material;

rotating [said] the vessel about an axis;

5

causing the vessel to engage the relatively stationary component by rapidly accelerating [said] the rotation of [said] the vessel;

determining an amount of energy with which [said] the vessel has engaged [said] the relatively stationary [part] component following a start of [said] the rapid acceleration;

comparing [said] <u>the</u> amount of energy with a predetermined value; and sending a signal indicative of an unbalance condition if [said] <u>the</u> amount of energy exceeds [said] <u>the</u> predetermined value.

- 2. (Currently Amended) The method of claim 1, wherein [said] the appliance is an automatic washing machine.
- 3. (Currently Amended) The method of claim 2, wherein [said] the washing machine is a vertical axis washer.
- 4. (Currently Amended) The method of claim 2, wherein [said] the washing machine is a horizontal axis washer.
- 5. (Currently Amended) The method of claim 1, wherein [said] the appliance is a clothes treating appliance and [said] the material comprises a fabric load.

2

- 6. (Currently Amended) The method of claim 1, wherein [said] the relatively stationary component comprises a cabinet of [said] the appliance.
- 7. (Currently Amended) The method of claim 1, wherein [said] the step of determining an amount of energy comprises rotating [said] the vessel with an electric motor, measuring a current supplied to [said] the motor, isolating a frequency of [said] the current relating to [said] the engagement of [said] the vessel with [said] the relatively stationary [part] component and generating a curve representing [said] the frequency, comparing [said] the frequency with a curve representing a reference motor current, integrating areas above [said] the reference curve within [said] the engagement curve, and accumulating [said] the areas for a predetermined time.

A

5

5

- 8. (Currently Amended) The method of claim 7, wherein [said] the step of comparing comprises comparing [said] the accumulated area value with a predetermined threshold value.
 - 9. (Currently Amended) An appliance comprising:

a vessel mounted for rotation about an axis, configured to receive a supply of material and arranged relative to a relatively stationary part of [said] the appliance whereby [said] the vessel [will] is configured to engage [said] the relatively stationary part in a severe unbalance loading condition of [said] the material in [said] the vessel while [said] the vessel is rotating;

a control arranged and configured to rapidly accelerate a rotation of [said] <u>the</u> vessel <u>causing the vessel to engage the stationary part</u>, determine an amount of energy with which [said] <u>the</u> vessel has engaged [said] <u>the</u> relatively stationary part, compare [said] <u>the</u> amount of energy with a predetermined value, and send a signal indicative of an unbalance condition if [said] the amount of energy exceeds [said] the predetermined value.

10

5

- 10. (Currently Amended) An appliance according to claim 9, wherein [said] the appliance is an automatic washing machine.
- 11. (Currently Amended) An appliance according to claim 10, wherein [said] the washing machine is a vertical axis washer.
- 12. (Currently Amended) An appliance according to claim 10, wherein [said] the washing machine is a horizontal axis washer.
- 13. (Currently Amended) An appliance according to claim 9, wherein [said] the appliance is a clothes treating appliance and [said] the material comprises a fabric load.
- 14. (Currently Amended) An appliance according to claim 9, wherein [said] the relatively stationary [component] part comprises a cabinet of [said] the appliance.
- 15. (Currently Amended) An appliance according to claim 9, including an electric motor drivingly connected to [said] the rotatable vessel.
- 16. (Currently Amended) An appliance according to claim 15, wherein [said] the electric motor comprises a controlled induction motor and an inverter is provided in the control connected to the motor, [said] the control further comprising a current measuring device connected to a dc bus of [said] the inverter.

- 17. (Currently Amended) An appliance according to claim 16, wherein [said] the current measuring device provides an output signal representative of the current used by [said] the motor, [said] the control further including a digital filter connected to receive [said] the output signal, [said] the digital filter including a running average algorithm and providing an output representative of an average current used by [said] the motor.
- 18. An appliance according to claim 9, wherein [said] the signal comprises one of an audible and visible signal to a user.
- 19. (Currently Amended) An appliance according to claim 9, wherein [said] the signal comprises an electrical signal transmitted to a further part of [said] the control.
- 20. (Currently Amended) An appliance having a rotatable vessel configured to receive a supply of material mounted within a relatively stationary housing, [said] the vessel rotatable about an axis and [said] the vessel being mounted in a fashion such that it is movable relative to [said] the housing in a direction perpendicular to [said] the axis, comprising:

an electrical motor drivingly connected to [said] the rotatable vessel,

a control operatively connected to [said] the motor and configured to rapidly accelerate a rotation of [said] the vessel through operation of [said] the motor causing the vessel to engage the relatively stationary housing, determine an amount of energy with which [said] the vessel has engaged [said] the relatively stationary [part] housing as reflected by a characteristic of electrical current drawn by [said] the motor, compare [said] the amount of energy with a predetermined value, and send a signal indicative of an unbalance condition if [said] the amount of energy exceeds [said] the predetermined value.



5